BRUHATH BANGALORE MAHANAGARA PALIKE, DASARAHALLI ZONE

Office of the Executive Engineer Dasarahalli Division,

SCHEDULE-B

Name of Work: Reserve for Emergency works in Bagalugunte in Ward No.14

(Drilling of Borewell providing pumping Motor and accessories pipe line for Supplying of water to Sampangiramaiah layout, NMH Layout, Sheshadri Layout, MHR Layout, Sidedahalli (Visweshwaraiah Layout) in Bagalagunte Ward No.14

Sl.No	Description of work	Unit	Qty	Rates to be Quoted	
				In Figures	In Words (Rs.)
1	2	3	4	5	6
1	Geophysical survey geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the hand pumps, MWS or PWSS by vertical electrical sounding by adopting venner or schlumbergers's method including recconnaisance suevey of geological formation Geophysical investigation of existing ground Water in the vicinity. its quality , quality & acceptabality of the users indicating the location of the site recommendeddepth of casing pipe required to seal the tope unconsolidated formation including an extra depth 1.0 metre in consolidated formation for aquire proposed to be tapped propable yield and other information required including transportation of instrument and accessories to work site, engating technical personal and labour etc., Complete as per Specification.	Each	4.00	1882.00	Rupees One Thousand Eight Hundred Eighty Two Only
2	Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap with necessary cutting and threading including transporation of rig and surpporting vehicles, screws charges and cost of consumable including yield testing at the final depth with a minimum working of compressor for one hour all complete as per specifications.				
a	0.00 to 50.00 mtrs	Rmtr	200.00	306.00	Rupees Three Hundred Six Only
b	50mtr to 100.00 mtr	Rmtr	200.00	400.00	Rupees Four Hundred Only
c	100.00 to 150.00 mtr	Rmtr	200.00	445.00	Rupees Four Hundred Forty Five Only
d	150.00 to 200.00 mtr	Rmtr	200.00	470.00	Rupees Four Hundred Seventy Only
e	200.00 to 250.00 mtr	Rmtr	200.00	544.00	Rupees Five Hundred Forty Four Only

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f	250.00 to 300.00 mtr	Rmtr	200.00	583.00	Rupees Five Hundred Eighty Three Only
3	Supply of ISI Mark 175mm Nominal bore ,plain end steel Casing pipe- grade of steel Fee 410 of wall thickness 5.4 mm thick confirming to IS 1387/1933 and manufactured by basic open hearth electric or basic oxygen process in random lenth of 5 to 7mtrs. Both ends threaded Confirming to IS 554/1985, One end fixed with a Socket Confirming to IS 4270:2001 and the other end with Screwed pipes . All pipes shall be reasonably free from defectes. The tube shall be reasonably straight should be with ISI marking, weighing 25.10kg/mtr. (Inclusive of all taxes) complete as per specifications.				
a	Casing pipe	Rmtr	180.00	1325.00	Rupees One Thousand Three Hundred Twenty Five Only
4	Additional rate on item No. 2 is allowed for drilling in over burden and folling casing pipes beyond 20mtrs, rate at 15% and beyond 30mtrs 30% on basic rate of Rs.287 is allowed complete as per specifications.				
	Above 20 mtrs and Upto 30 mtrs at	Mtr	40.00	40.50	Rupees Forty and Fifty Paise Only
b	Above 30 mts	Mtr	120.00	86.10	Rupees Eighty Six and Ten Paise Only
5	Providing 175 mm dia MS Collar complete as per specifications.	Each	40.00	150.00	Rupees One Hundred Fifty Only
6	Providing 175 mm dia MS Cap complete as per specifications.	Each	4.00	100.00	Rupees One Hundred Only
	Supply and delivery at site brand new Texmo / Innoval / Lubi / Sabar / Atalanta / Calamal / waterman / Radha make suitable vertical installation in 150mm dia. Borewells comprising of single stage or miultistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction mortor suitable for operation of 3Ph., 50Hz. 380/44 volts AC supply fitted with required accessories such as suction. casing, suction strainers, sand guard Non return valve etc., complete the pump and motor shall form an integral unit with all the required fittings 15HP 30 stage complete as per specifications.	No.s	5.00	71265.00	Rupees Seventy One Thousand Two Hundred Sixty Five Only

8	Supplying and Drawing 3 core Flat PVC Shalted Submersible Pump Cable Manufactured with Electrolytic Grade Copper with Flexible copper conductor to table 3 class 5 of IS 8130-1984 and Virgen PVC insulation and Sheeated Suitable for working Voltage Upto 1100 Volts complete as per specifications.	Mtr	3100.00	159.50	Rupees One Hundred Fifty Nine and Fifty Paise Only
9	Supplying and fixing 50mm Non Return Vavle of vertical type of approved make including cost of all materials labour HOM of equipment with all leads Complete as per Specifcation	No.s	5.00	1600.00	Rupees One Thousand Six Hundred Only
10	Supplying and fixing 50mm GM Gae Vavle Complete as per Specifcation	No.s	5.00	1145.00	Rupees One Thousand One Hundred Forty Five Only
11	Supplying and fixing 175 mm Borewell cap with clampset Complete as per Specifcation	No.s	5.00	690.00	Rupees Six Hundred Ninety Only
12	Supplying and fixing 50mm GI Union Complete as per Specifcation	No.s	5.00	223.70	Rupees Two Hundred Twenty Three and Seventy Paise Only
13	Supplying and fixing 50mm GI Elbow Complete as per Specifcation	No.s	15.00	219.00	Rupees Two Hundred Nineteen Only
14	Supplying and fixing 50mm GI coller Heavy duty Complete as per Specifcation	No.s	250.00	150.00	Rupees One Hundred Fifty Only
15	Supplying and delivery at site brand new star / Essen / Lotus / Sun shines / Adharsh / GK Controls best indigenous make combined energy meter cum control panel board unit of size 1200x600x350mm minimum mechanically strong vermin and water proof. The unit shall have two detachable doors suitable for opration on 3ph, 50 hz, 380/440 volts, AC supply with spring loaded latch, locking device with a key ribs should be provided inside the door canopy apron and louvers ventilators shall be provided the combined energy meter cum control panel board unit suitable for operation on 3ph, 50 hz, 380/440 volts AC supply shall be consists etc., complete the panel board shall be consist etc., complete the panel board shall be fabricated on single unit in the above componenets panel board for suitable pumpset with star delta staretr out door type 10hp to 15 hp Complete as per Specifcation	No.s	5.00	10000.00	Rupees Ten Thousand Only

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16	Providing and fixing of 50mm G.I pipe 'C' class heavy duty foe erection of submersible pumpset Complete as per Specifcation	Mtr	1450.00	374.00	Rupees Three Hundred Seventy Four Only
17	Erection of combined panel board and meter unit with necessary materials and labour including providing cement concrete foundation bed cont door type etc., Complete as per Specifcation	No.s	5.00	475.00	Rupees Four Hundred Seventy Five Only
18	Supplying of TPST with rewireable porcelain channels in SM encloser 15/32 amps Complete as per Specifcation	No.s	5.00	1320.00	Rupees One Thousand Three Hundred Twenty Only
19	Supplying and fixing 500x500x65mm polished wood board made up not less than 15mm thick plank in front plank one end provided for olding at other end fixing the same of the valve using through bolts and nuts, Complete as per Specifcation	No.s	5.00	302.50	Rupees Three Hundred Two and Fifty Paise Only
20	Supplying and fixing LED Type panel board indicating lamp with required colour suitable for 220 v AC 50Hz 12/24 V DC Group Complete as per Specifcation	No.s	15.00	385.00	Rupees Three Hundred Eighty Five Only
21	Supplying and drawing each PVC insulated 650/100 V grade wire in the conduct (Open or Concealed system of wiring) 7/20 or 7/36 copper wire. Complete as per Specifcation	No.s	50.00	27.50	Rupees Twenty Seven and Fifty Paise Only
22	Supplying, fixing and wiring heavy duty low voltage capacitors confirming to I 2834, 3 PHASE 400/440 Volts grade for power factor improvement of rotating machinery capacitor in KVAR - rating Nos 2 KVAR Capacity Complete as per Specifcation	No.s	5.00	385.00	Rupees Three Hundred Eighty Five Only
23	Supplying and fixing miniature Circuit breakers on existing MCB distribution boards using necessary fixing materials and wiring Complete as per Specifcation	No.s	5.00	1182.00	Rupees One Thousand One Hundred Eighty Two Only
24	Supplying, fixing, wiring earth electrode for grounding conduits, LC cutouts and other equipments on the meter board using 40mm dia 2.90mm thick GI pipe 2.50m long buried in a pit. The pit should be filled with equal proportion of solt and charcoal 150mm alround the pipe to complete depth. the connection from the pipe to the conduct etc., is to be established through GI wire of size as per ISI specifications 7.3.3 IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 throught holes of 122mm dia Complete as per Specifcation	No.s	5.00	1650.00	Rupees One Thousand Six Hundred Fifty Only

5	Supplying and fixing class A (medium duty) GI pipe wall thickness not less than 3.25mm on pole.	No.s	50.00	242.00	Rupees Two Hundred Forty Two Only
26	Supply 1.1 KV class UG cable from nearest BESCOM pole to panel board including earth work and road restoratio 4 core 16 sqmm. Complete as per Specifcation	Mtr	150.00	165.00	Rupees One Hundred Sixty Five Only
27	Labour charges for laying 1.1 KV class UG cable when supplied by agencies in existing trenches GI pipe / stoneware pipe/ on pole as required, Complete as per Specifcation	Mtr	150.00	5.50	Rupees Five and Fifty Paise Only
28	Digging of trench of 0.6m deep x 0.5m wide refilling the trench to the required level and consolidating etc., Complete as per Specifcation	Mtr	75.00	44.00	Rupees Forty Four Only
29	Supply and fixing LT cast iron pot heads suitable for 1.1 KV class UG cable filled with neccesary bitumen / insulating compound complete with termiinalas, clamps, bolts, nuts, washers etc., Complete as per Specifcation	No.s	5.00	264.00	Rupees Two Hundred Sixty Four Only
30	Supplying and fixing of porcelain fuse channel with cut-out on existing / new wooden panel using neccesary nuts, bolts and washers etc., Complete as per Specifcation	No.s	30.00	440.00	Rupees Four Hundred Forty Only
31	Cutting of road surface for pipeline trenches and disposing of the excavated stuff as directed including barricading, danger lighting etc., in the Asphalt surface road. Complete as per Specifcation	Cum	78.25	253.00	Rupees Two Hundred Fifty Three Only
32	Earthwork excavation for foundation of buildings water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods Complete as per Specifcation	Cum	281.25	227.88	Rupees Two Hundred Twenty Seven and Eighty Eight Paise Only
33	Providing and installing at site of work P.V.C pipees including cost of pipes and specials and labour including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour and lift charges, handling charges including encasing the pipe alround to a depth not leass than 15 cms with gravel or selected earth available from the excavation etc., Complete as per Specifcation	Rmtr	625.00	157.00	Rupees One Hundred Fifty Seven Only
34	Supplying and fixing 50 mm GI pipes 'B' class heavy duty Complete as per Specifcation	Mtr	50.00	325.00	Rupees Three Hundred
35	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5m. Including cost of all labour Complete as per Specification	Cum	281.25	60.48	Rupees Sixty and Forty Eight Paise Only

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35	Disposing of Excavated earth to the final place of disposal with all lead and lift and directed by the engineer in charge of the work. Complete as per Specification	Cum	548.84	72.88	Rupees Seventy Two and Eighty Eight Paise Only
35	Transportation of pumping machineries Complete as per Specification.	No.s	5.00	900.00	Rupees Nine Hundred Only
35	Erection of pumping machineries Complete as per Specifcation	No.s	5.00	900.00	Rupees Nine Hundred Only
Note: The said work for sanctioned estimate cost Rs.30.00 Lakhs (Rupees Thirty Lakhs Only) (Incl.10%+1%KRIDL Charges + 1% Quality control tests Charges) based On "Approved SR Rates"					

Signature of the Contractor

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KRIDL, Dasarahalli Zone, Bangalore

Executive Engineer,
Dasarahalli Division,

Received by